BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- ***Improvements to Roads from in Badrappa Layout (Shoneoy Tailor House Sorroundings Near Kashinagar) in ward No. 7 Byatarayanpura, Kodigehalli sub division Job code no : 007-16-000010***

Sl No	Description of work	Unit	No	L	B	D	ESTIMATED COST QTY	Rate in Rs	3000000.00 Amount in Rs
1	Removing BS Slab of drain and stacking.								
	(P.No.25, I.No.5.32 of PW,P&IWTD S.R 2014-15)						Sqm		
	Shanoy Tailer House Main road		2	100.00	1.65		330.00		
	Shanoy Tailer To Snehanagar		2	80.00	1.65		264.00		
			2	21.00	1.65		69.30		
							663.30	58.32	**38684.00**
	Basic Rate Rs.	54.00							
	Add 8% A.W Rs.	4.32							
	Total Rate Rs.	**58.32**							
2	Refixing stone slabs of drains and pointing in CM 1:3.								
	(P.No.25, I.No. 5.33 of PW,P&IWTD S.R 2014-15)						Sqm		
		Qty Same as I.No.1 (80%)					530.64		
							530.64	75.60	**40116.00**
	Basic Rate Rs.	70.00							
	Add 8% A.W Rs.	5.60							
	Total Rate Rs.	**75.60**							
3	KSRRB M300-2: Earth work excavation by manual means in Ordinary Soil involving an average horizontal throw up to 2mts and an average lift up to 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3.								
	(P.No.138, I.No.19.1 of PW,P&IWTD S.R 2014-15)					Cum			
	Drains Shanoy Tailer House Main road		2	100.00	1.00	0.75	200.00		
	Shanoy Tailer To Snehanagar		2	80.00	1.00	0.75	160.00		
			2	21.00	1.00	0.75	42.00		
	C.DS Main Road		2	8.00	1.8	0.9	25.92		
	Staram Water Drain		1	43.00	3.2	3.0	412.80		
							438.72	75.60	**33167.00**
	Basic Rate Rs.	70.00							
	Add 8% A.W Rs.	5.60							
	Total Rate Rs.	**75.60**							
4	KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material within all lifts and leads upto 1000 metres complete as per specifications.MORTH Specification No. 305.4.3 (P-144, Item No. 19.58 SR 2014-15)								
	Road Shanoy Tailer House Main road	**Sqm**	1	100.00	5.00		500.00		
	Shanoy Tailer To Snehanagar		1	80.00	5.20		416.00		
			1	21.00	5.30		111.30		
							1027.30	**18.36**	**18861.00**
	Basic Rate Rs.	17.00							
	Add 8% A.W Rs.	1.36							
	Total Rate Rs.	18.36							

5	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. (145, I.No. 19.64)14-15								
	Road Shanoy Tailer House Main road	**Sqm**	1	100.00	5.00		500.00		
	Shanoy Tailer To Snehanagar		1	80.00	5.20		416.00		
			1	21.00	5.30		111.30		
							1027.30	**4.48**	**4604.00**
	Basic Rate	**4.15**							
	Area Weightage @ 8%	**0.33**							
	Total	**4.48**							
6	KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2014-15								
	Road Shanoy Tailer House Main road	**cmtr**	1	100.00	5.00	0.1	50.00		
	Shanoy Tailer To Snehanagar		1	80.00	5.20	0.1	41.60		
			1	21.00	5.30	0.1	11.13		
	C.DS Road		2	8.00	1.80	0.15	4.32		
	Side Drain Shanoy Tailer House Main road		2	100.00	0.60	0.1	12.00		
	Shanoy Tailer To Snehanagar		2	80.00	0.60	0.1	9.60		
			2	21.00	0.60	0.1	2.52		
	Staram Water Drain		1	43.00	3.0	0.25	32.25		
							163.42	**5064.12**	**827578.00**
	Basic Rate	4689.00							
	Area Weightage @ 8%	375.12							
	Total	**5064.12**							
7	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.Specification No. KBS 4.6.2 (P 15, I.No 4.28) SR-2014-15								
	C.DS Road	**Sqm**	4	8.00	0.23		7.36		
			4	2.00	0.23		1.84		
			2	8.00	0.60		9.60		
	Side Drain Shanoy Tailer House Main road		4	100.00	0.60		240.00		
	Shanoy Tailer To Snehanagar		4	80.00	0.60		192.00		
			2	21.00	0.60		25.20		
	Staram Water Drain		4	43.00	3.0		516.00		
							992.00	236.52	234628.00
	Basic Rate	219.00							
	Area Weightage @ 8%	17.52							
	Total	**236.52**							

8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (P. 23, I.No. 5.6) SR-2014-15								
	C.DS 2Temple Road	Cum	2x2	8.00	0.6	0.75	14.4		
							14.4	3836.16	55241.00
	Basic Rate	3552.00							
	Area Weightage @ 8%	284.16							
	Total	3836.16							
9	KProviding and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) (P. 18, I.No. 4.49.1) SR-2014-15								
	Road Shanoy Tailer House Main road	**cmtr**	1	100.00	5.00	0.1	50.00		
	Shanoy Tailer To Snehanagar		1	80.00	5.20	0.1	41.60		
			1	21.00	5.30	0.1	11.13		
	C.DS Road		2	8.00	1.80	0.23	6.62		
	Side Drain Shanoy Tailer House Main road		2	100.00	0.60	0.1	12.00		
	Shanoy Tailer To Snehanagar		2	80.00	0.60	0.1	9.60		
			2	21.00	0.60	0.1	2.52		
	Staram Water Drain		1	43.00	3.0	0.25	32.25		
							165.72	5847.12	**969008.00**
	Basic Rate	5414.00							
	Area Weightage @ 8%	433.12							
	Total	**5847.12**							
10	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P. 171 I. No. 22.7) SR-2014-15								
	Road Shanoy Tailer House Main road	sqm	1	100.00	5.00		500.00		
	Shanoy Tailer To Snehanagar		1	80.00	5.20		416.00		
			1	21.00	5.30		111.30		
							1027.30	97.20	**99853.56**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
11	Providing groove cutting for width of 5mm to 10mm and depth 80mm-100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications. for concrete pavement(P. 172 I. No. 22.8.1) SR-2014-15								
	Road Shanoy Tailer House Main road	rmtr	1	5.00	5.00		25.00		
	Shanoy Tailer To Snehanagar		1	4.00	5.20		20.80		
			1	2.00	5.30		10.60		
							56.40	124.20	**7004.88**
	Basic Rate	115.00							
	Area Weightage @ 8%	9.20							
	Total	**124.20**							

12	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 17, I.No. 4.46) SR-2014-15								
	C.DS Road	cmtr	2	8.00	1.80	0.23	6.62		
	Side Drain Shanoy Tailer House Main road		2	100.00	0.60	0.1	12.00		
	Shanoy Tailer To Snehanagar		2	80.00	0.60	0.1	9.60		
			2	21.00	0.60	0.1	2.52		
	Staram Water Drain		2	43.00	3.0	0.25	64.50		
							95.24		
	95.24x80Kg/Cum						7619.52		
							7.62	78351.84	**597003.00**
	Basic Rate	72548							
	Area Weightage @ 8%	5803.84							
	Total	78351.84							
13	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 5.00 Km (Page No.141)								
	Basic rate for haulage of materials as per item								
	Average weight of earth 1.28 tonne / kg	Cum	Qty vide Item No.3				**438.72**	72.71	**31899.00**
	Basic Tate Lead Charges upto 2.00 Kms	62.20							
	2x1.28x2 =	5.12							
	Loading and unloading	67.32							
	Average Weight of earth 1.28 tone/kg for 6x1.20x2.00=12.00	5.39							
		72.71							
	Sub Total								**2957647.00**
14	Inspection charges 1%								**29576.00**
15	Miscelleneous & Rounding off								**12777.00**
							Toatl Rs.		**3000000.00**
	(Rupees:- Thirty Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2014-2015
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli sub Division
BBMP

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Executive Engineer
Byatarayanapura Division
BBMP

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

Administrative Approval
Accorded For 30.00 lakhs
Head of A/C... P3089
CER NO :.....26 Dt: 19.08.15

TA

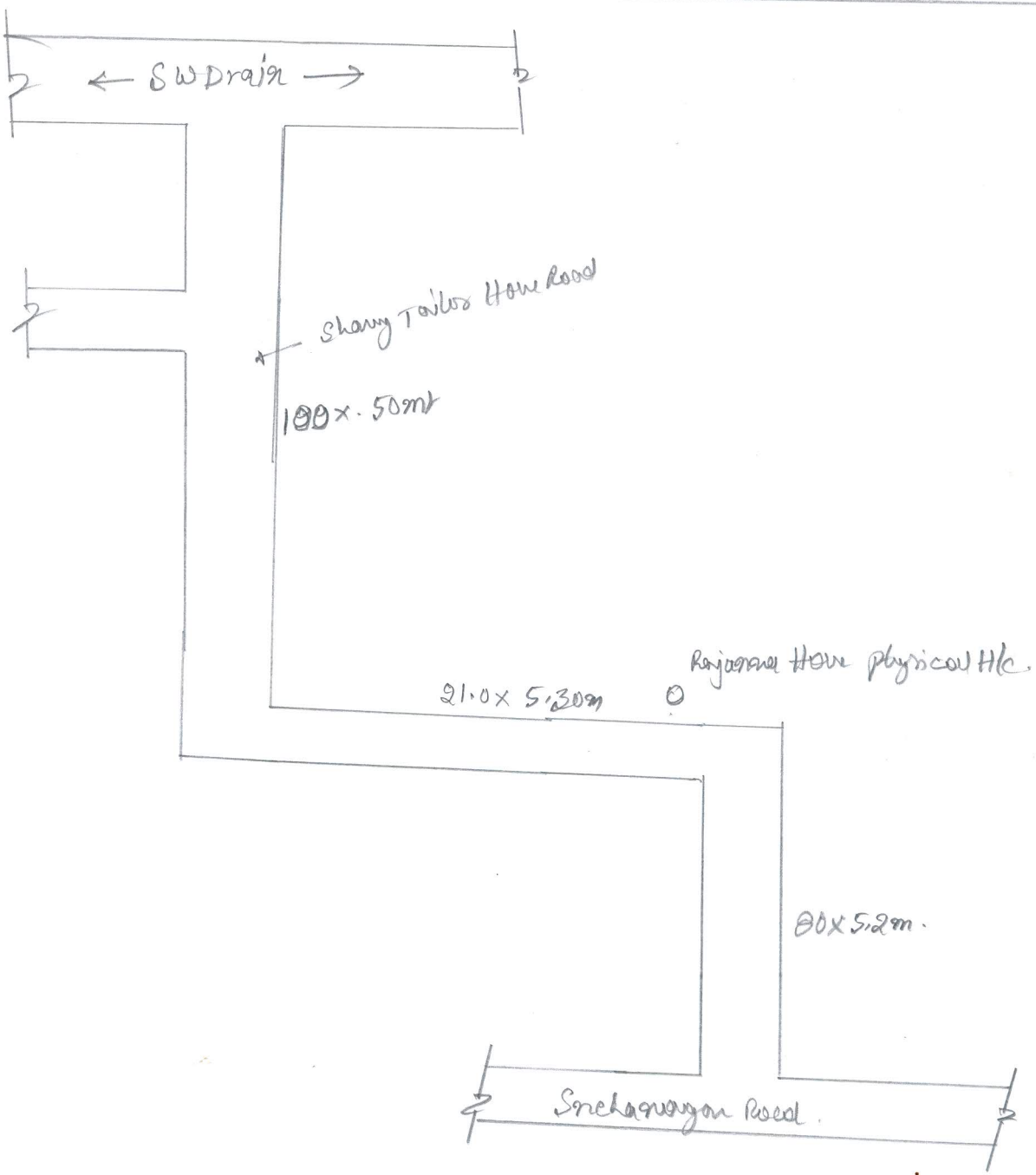
CE (YNK)

Technical Sanction
Accorded For 30.00 lakhs
Head of A/C... P3089
CER NO :.....35..... Dt:.21.08.15

TA

CE (YNK)

Name of works: Improvements to Roads from Badrappa Layout (Shanay Tailor) House Surroundings near Kaliwaragar in ward no 7 Byatarayanapura. Kodigenahalli Sub division.
Est Cost Rs 30.00 Lakhs. Job no: 007-16-000010.



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